PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

	The state of the s		
CHARLES E DADSWELL  GLAXOSMITHKLINE  CORPORATE INTELLECTUAL PROPERTY DEPTAGE 2 4  FIVE MOORE DRIVE, PO BOX 13398  RESEARCH TRIANGLE PARK, NC 27709  GLOBAL INTELLECTUAL	PCT NOTIFICATION OF TRANSMITTAL OF 2005THE UNTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION PROPERTY OF THE ALL		
	(day/month/year) 19 AUG 2005,		
Applicant's or agent's file reference PR60715WO	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US05/03478	International filing date (day/month/year) 28 January 2005 (28.01.2005)		
Applicant			
SMITHKLINE BEECHAM CORPORATION			
1. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):			
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.			
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35			
For more detailed instructions, see the notes on the acc			
2. The applicant is hereby notified that no international search report will be established and that the declaration under  Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.			
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.			
4. Reminders			
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.			
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.			
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.			
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.			
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.			
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US	Authorized officer Jumbel Durcher 1		
Commissioner for Patents P.O. Box 1450	Bernard Dentz		
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telephone No. 571 272-1600		

Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY		
CHARLES E DADSWELL GLAXOSMITHKLINE CORPORATE INTELLECTUAL PROPERTY DEPT 2 4 2005 FIVE MOORE DRIVE, PO BOX 13398 RESEARCH TRIANGLE PARK, NC 24709 THE WRITTEN OPINION OF THE INTERNATIONAL GLOBAL INTELLECTUAL PROPERTY (PCT Rule 44.1)		
	Date of mailing (day/month/year)	
Applicant's or agent's file reference PR60715WO	FOR FURTHER ACTION See paragraphs 1 and 4 below	
International application No. PCT/US05/03478	International filing date (day/month/year) 28 January 2005 (28.01.2005)	
Applicant SMITHKLINE BEECHAM CORPORATION		
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When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.		
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35		
For more detailed instructions, see the notes on the acc	companying sheet.	
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Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.		
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See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.		
Name and mailing address of the ISA/US	Authorized officer Jumbel Durban	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Bernard Dentz	
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telephone No. 571 272-1600	

Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

# PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PR60715WO	FOR FURTHER see Form PCT/ISA/220  ACTION as well as, where applicable, item 5 below		
International application No. PCT/US05/03478	International filing date (day/month/year) 28 January 2005 (28.01.2005)	(Earliest) Priority Date (day/month/year) 30 January 2004 (30.01.2004)	
Applicant SMITHKLINE BEECHAM CORPORATI	ON		
according to Article 18. A copy is being  This international search report consists			
language in which it was filed, ur	international search was carried out on the basinless otherwise indicated under this item.	• •	
to this Authority	search was carried out on the basis of a translation (Rule 23.1(b)).	ation of the international application furnished	
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.			
2. Certain claims were found unsearchable (See Box No. II) 3. Unity of invention is lacking (See Box No. III)			
4. With regard to the title,			
the text is approved as subm	itted by the applicant.		
the text has been established	by this Authority to read as follows:		
		•	
5. With regard to the abstract,			
the text is approved as submitted by the applicant.			
the text has been established, may, within one month from	according to Rule 38.2(b), by this Authority as the date of mailing of this international search	s it appears in Box No. IV. The applicant report, submit comments to this Authority.	
6. With regard to the drawings,			
	ublished with the abstract is Figure No		
as suggested by the applicant.			
as selected by this Authority, because the applicant failed to suggest a figure.			
as selected by this Authority, because this figure better characterizes the invention.			
b none of the figures is to be pure.  Form PCT/ISA/210 (first sheet) (January 2004)			

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/03478

Continuation of item 2 of first sheet)
Article 17(2)(a) for the following reasons:
hority, namely:
ly with the prescribed requirements to such cally:
e second and third sentences of Rule 6.4(a).
n of item 3 of first sheet)
ication, as follows:
international search report covers all onal fee, this Authority did not invite applicant, this international search report
quently, this international search report is as Nos.: cant's protest. fees.

Form PCT/ISA/210 (continuation of first sheet(2)) (January 2004)

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/03478

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : A61K 31/381, 31/4155, 31/4409, 31/506; C07D 41/04  US CL : 514/275, 333, 336, 403, 406; 544/331; 546/256, 280.4; 548/361.1, 365.7  According to International Patent Classification (IPC) or to both national classification and IPC				
	RIGHAI CIASSITICATION AND IT C			
·				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/275, 333, 336, 403, 406; 544/331; 546/256, 280.4; 548/361.1, 365.7				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAS ONLINE-structure search				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category * Citation of document, with indication, where a	appropriate, of the relevant passages Relevant to claim No.			
X WO 03/092686 A1 (STOKES et al) 13 November 20				
Further documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the			
"A" document defining the general state of the art which is not considered to be of particular relevance	principle or theory underlying the invention			
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
"I." document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination			
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art			
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
28 June 2005 (28.06.2005)	K:			
Name and mailing address of the ISA/US  Mail Stop PCT Attn: ISA/US	Authorized officer June Ch Stelem to			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Bernard Dentz			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 571 272-1600			
Facsimile No. (703) 305-3230				

Form PCT/ISA/210 (second sheet) (January 2004)